

Individual Proposal Report

Title: Tyler Island Levee Protection and Habitat Restoration Pilot Project (K38)

Geographic Area: Delta

Primary Stressor Addressed: Channel Form Changes

Project Type: Implementation

Applicant Type and Name: Private. Jeffery Hart, Habitat Assessment & Restoration Team, Inc., (916) 451-6679.

Funding: The applicant has requested \$885,202. CALFED approved funding \$445,000 in the 1997 Category III funding cycle. It is recommended that the remainder of the project, \$440,202, be funded through the 1998 Category III monies.

Cost Share: None

Project Description: Various biotechnical bank and levee protection/enhancement methods will be utilized in order to increase desirable habitat for priority species. Various combinations of organic fabric, plant materials, and geotechnical substances will control erosion as well as provide habitat. The project is fully supported by Reclamation District 563, the entity which maintains the levees surrounding Tyler Island.

ERPP Linkage: The proposal meets the goals of the Ecosystem Restoration Program Plan (CALFED, Volume II, 28 July 1997) as it should restore eight to 15 linear miles of riparian and riverine aquatic habitat in the East Delta Ecological Unit (page 49).

AFRP Linkage: This proposal contributes toward making all reasonable efforts to at least double natural production of anadromous fish as it supports the following evaluations listed in the Revised Draft Restoration Plan for the Anadromous Fish Restoration Program (USFWS, 30 May 1997): (1) Evaluate potential benefits of and opportunities for increasing salmonid and other anadromous fish production through improved riparian habitats in the Delta (Sacramento-San Joaquin Delta Evaluation 4, page 105); and (2) Evaluate benefits of and opportunities for additional tidal shallow-water habitat as rearing habitat for anadromous fish in the Delta (Sacramento-San Joaquin Delta Evaluation 6, page 105).

Applicant's Proposed Monitoring: Research level monitoring will form an integral part of the project. Parameters to be measured include plant survival, plant cover, physical habitat heterogeneity, water quality, and abundance and distribution of fish and macroinvertebrates. CALFED staff will review the proposed monitoring plan and revise as necessary.